IDAHO DRINKING WATER TREATMENT PLANT CLASSIFICATION WORKSHEET

Public Water Service No. _____

Name of System: _____

System Address: _____

City: _____ State: _____ Zip Code: _____

Contact Person: _____ Title: _____

Business Phone Number: (_____)_____ Email: _____

Instructions: Evaluate each item listed in the table below and place the specified point value next to each item selected. Add the total number of points selected to determine the class of the treatment system. Definitions describing all configurations, names, and/or reasons why rating points are or are not assigned to a particular item are provided for those items with a small D-number behind the item, i.e D-1. Check the definition if unsure whether a particular treatment plant process qualifies for the point value shown. Mail the completed, signed form to the Department of Environmental Quality 1410 N. Hilton, Boise, ID 83706 Attention Chris Lavelle. Keep a photocopy of the original form for your files.

Item	Points	Your System
System Size (2 to 20 points)		
Maximum Population served, peak day (1 point minimum to 10 point maximum)	1 point/10,000 or part	
Design flow (average/day) or peak month's (average/day) Whichever is larger (1 point min to 10 point max)	1 point/MGD or part	
Water Supply Source (3 to 8 points)		
Groundwater	3 points	
Surface Water	5 points	
Average Raw Water Quality (0 to 10 points)		
Little or no variation	0 points	
Raw water quality (other than turbidity) varies enough to require treatment changes approximately 10% of the time	2 points	
Raw water quality (turbidity) varies severely enough to require pronounced or very frequent treatment changes	5 points	
Raw water quality subject to periodic serious industrial waste pollution	10 points	
Treatment Process		
Aeration	2 points	
Packed tower aeration	6 points	
PH adjustment	4 points	
Stability or corrosion control	4 points	
Taste and odor control	8 points	
Color control	4 points	
Iron or iron/manganese removal	10 points	

Item	Points	Your System
Ion exchange softening	10 points	
Chemical precipitation softening	20 points	
Coagulant addition	4 points	
Flocculation	5 points	
Sedimentation	14 points	
Upflow clarification	14 points	
Filtration	10 points	
Fluoridation	5 points	
Special processes such as reverse osmosis, electrodialysis	15 points	
Disinfection (0 to 10 points)		
For disinfectants, such as ozone, chlorine dioxide, or chloramines, assign 5 points for chlorination or comparable and 5 points for on-site generation of disinfectant.		
No disinfection	0 points	
Chlorination or comparable	5 points	
On-site generation of disinfectant	5 points	
Sludge/Backwash Water Disposal (0 to 5 points)		
No disposal to raw water source (example to sewer or off watershed)	0 points	
No disposal to raw water source (example supernatant discharge to reservoir)	2 points	
Any disposal to plant raw water	5 points	
Bacteriological/Biological Laboratory Control (0 to 10 points)		
Lab work done outside plant	2 points	
Membrane filter procedures	3 points	
Use of fermentation tubes or any dilution method: fecal coliform determination	7 points	
Biological identification	7 points	
Viral studies or similarly complex work conducted on-site	10 points	
Chemical/Physical Laboratory Control (0 to 10 points)		
Lab work done outside plant	0 points	
Push button or colorimetric methods for simple tests, such as chlorine residual, pH	3 points	
Additional procedures such as titration, jar test, alkalinity, hardness	5 points	
More advanced determinations, such as numerous inorganics	7 points	
Highly sophisticated instrumentations, such as atomic absorption & gas chromatography	10 points	
TOTAL POINTS FOR YOUR SYSTEM		

System Classification Key			
Class I	*30 points or fewer*	*Class III*	*56 to 75 points*
Class II	*31 to 55 points*	*Class IV*	*76 points or greater*
YOUR SYSTEM CLASSIFICATION		**I, II, III, IV** **(Circle one)**	

_____/_____
        Signature   Date